

Application No. 10/673,940
Amendment "L" dated December 15, 2005
Reply to Office Action mailed September 29, 2005

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6. (Cancelled).

Claim 7. (New) A communication apparatus comprising:

means for forming logical channel units each of which is to be subjected to error detection, each logical channel unit including information of a logical channel and an error detecting code added to the information;

means for mapping the logical channel into a physical channel such that a number of radio frames of a fixed duration on the physical channel into which each logical channel unit is mapped increases as a transmission rate of the physical channel decreases; and

means for transmitting a signal of the logical channel over the physical channel.

Claim 8. (New) The communication apparatus as claimed in claim 7, wherein the error detecting code is a CRC.

Claim 9. (New) A communication method comprising the steps of:

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forming logical channel units each of which is to be subjected to error detection, each logical channel unit including information of a logical channel and an error detecting code added to the information;

mapping the logical channel into a physical channel such that a number of radio frames of a fixed duration on the physical channel into which each logical channel unit is mapped increases as a transmission rate of the physical channel decreases; and

transmitting a signal of the logical channel over the physical channel.

Claim 10. (New) The communication method as claimed in claim 9, wherein the error detecting code is a CRC.